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10 30 50  
 CACGCGTCCGCGGGCGCGGCCGGAGAACCCCGCAATCTTTGCGCCACAAAATACACCGA  
 70 90 110  
 CGATGCCCCGATCTACTTTAAGGGCTGAAACCCACGGGCCTGAGAGACTATAAGAGCGTTC  
 130 150 170  
 CCTACCGCCATGGAACAACGGGGACAGAACGCCCCGGCCGCTTCGGGGGGCCCGGAAAAGG  
M E O R G O N A P A A S G A R K R  
 190 210 230  
 CACGGCCCCAGGACCCAGGGAGGCGCGGGGAGCCAGGCCTGGGCCCCGGGTCCCCAAGACC  
H G P G P R E A R G A R P G P R V P K T  
 250 270 290  
 CTTGTGCTCGTTGTGCGCCGCGGTCTGCTGTTGGTCTCAGCTGAGTCTGCTCTGATCACC  
L V L V V A A V L L L V S A E S A L I T  
 310 330 350  
 CAACAAGACCTAGCTCCCCAGCAGAGAGCGGCCCCACAACAAAAGAGGTCCAGCCCCCTCA  
 Q Q D L A P Q Q R A A P Q Q K R S S P S  
 370 390 410  
 GAGGGATTGTGTCCACCTGGACACCATATCTCAGAAGACGGTAGAGATTGCATCTCCTGC  
 E G L C P P G H H I S E D G R D C I S C  
 430 450 470  
 AAATATGGACAGGACTATAGCACTCACTGGAATGACCTCCTTTTCTGCTTGCGCTGCACC  
 K Y G Q D Y S T H W N D L L F C L R C T  
 490 510 530  
 AGGTGTGATTTCAGGTGAAGTGGAGCTAAGTCCCTGCACCACGACCAGAAACACAGTGTGT  
 R C D S G E V E L S P C T T T R N T V C  
 550 570 590  
 CAGTGCGAAGAAGGCACCTTCCGGGAAGAAGATTCTCCTGAGATGTGCCGGAAGTGCCGC  
 Q C E E G T F R E E D S P E M C R K C R  
 610 630 650  
 ACAGGGTGTCCCAGAGGGATGGTCAAGGTGCGTGATTGTACACCCTGGAGTGACATCGAA  
 T G C P R G M V K V G D C T P W S D I E  
 670 690 710  
 TGTGTCCACAAAGAATCAGGCATCATCATAGGAGTCACAGTTGCAGCCGTAGTCTTGATT  
 C V H K E S G I I I G V T V A A V V L I  
 730 750 770  
 GTGGCTGTGTTTGTGTTTGCAAGTCTTTACTGTGGAAGAAAGTCCTTCCTTACCTGAAAGGC  
V A V F V C K S L L W K K V L P Y L K G  
 790 810 830  
 ATCTGCTCAGGTGGTGGTGGGGACCCTGAGCGTGTGGACAGAAGCTCACAACGACCTGGG  
 I C S G G G G D P E R V D R S S Q R P G

FIG.1A

850	870	890
GCTGAGGACAATGTCCTCAATGAGATCGTGAGTATCTTGCAGCCCACCCAGGTCCCTGAG		
A E D N V L N E I V S I L Q P T Q V P E		
910	930	950
CAGGAAATGGAAGTCCAGGAGCCAGCAGAGCCAACAGGTGTCAACATGTTGTCCCCCGGG		
Q E M E V Q E P A E P T G V N M L S P G		
970	990	1010
GAGTCAGAGCATCTGCTGGAACCGGCAGAAGCTGAAAGGTCTCAGAGGAGGAGGCTGCTG		
E S E H L L E P A E A E R S Q R R R L L		
1030	1050	1070
GTTCCAGCAAATGAAGGTGATCCCACTGAGACTCTGAGACAGTGCTTCGATGACTTTGCA		
V P A N E G D P T E T L R Q C F D D F A		
1090	1110	1130
GACTTGGTGCCCTTTGACTCCTGGGAGCCGCTCATGAGGAAGTTGGGCCTCATGGACAAT		
D L V P F D S W E P L M R K L G L M D N		
1150	1170	1190
GAGATAAAGGTGGCTAAAGCTGAGGCAGCGGGCCACAGGGACACCTTGTACACGATGCTG		
E I K V A K A E A A G H R D T L Y T M L		
1210	1230	1250
ATAAAGTGGGTCAACAAAACCGGGCGAGATGCCTCTGTCCACACCCTGCTGGATGCCTTG		
I K W V N K T G R D A S V H T L L D A L		
1270	1290	1310
GAGACGCTGGGAGAGAGACTTGCCAAGCAGAAGATTGAGGACCACTTGTTGAGCTCTGGA		
E T L G E R L A K Q K I E D H L L S S G		
1330	1350	1370
AAGTTCATGTATCTAGAAGGTAATGCAGACTCTGCCATGTCCTAAGTGTGATTCTCTTCA		
K F M Y L E G N A D S A M S *		
1390	1410	1430
GGAAGTGAGACCTTCCCTGGTTTACCTTTTTTCTGGAAAAAGCCCAACTGGACTCCAGTC		
1450	1470	1490
AGTAGGAAAGTGCCACAATTGTCACATGACCGGTACTGGAAGAACTCTCCCATCCAACA		
1510	1530	1550
TCACCCAGTGGATGGAACATCCTGTAACCTTTTCACTGCACTTGGCATTATTTTTTATAAGC		
1570	1590	
TGAATGTGATAATAAGGACACTATGGAAAAAAAAAAAAAA		

FIG. 1B

1	M	L	G	-	-	-	-	-	-	-	-	-	-	-	I	W	T	L	L	P	L	V	L		h Fas protein
1	M	G	L	S	-	-	-	-	-	-	-	-	-	-	T	V	P	D	L	L	P	L		h TNFR I Protein	
1	M	E	Q	R	-	-	-	-	-	-	-	-	-	-	P	R	G	C	A	A	V	A	A	DR3 protein	
1	M	E	Q	R	G	Q	N	A	P	A	S	G	A	R	K	H	G	P	R	E	A	R	G	HLVBX88XXprotein	
13	T	S	V	A	R	L	S	S	K	S	V	N	A	Q	V	T	D	I	N	S	K	G	L	E	h Fas protein
14	V	L	L	E	L	V	G	I	Y	P	S	G	V	I	G	L	V	P	H	L	G	D	R	E	h TNFR I Protein
14	A	L	L	V	L	L	G	A	R	A	Q	G	-	-	-	-	-	G	T	R	S	P	R	-	DR3 protein
41	V	V	A	A	V	L	L	V	S	A	E	S	A	L	I	T	Q	Q	D	L	A	P	Q	R	HLVBX88XXprotein
53	H	H	D	G	Q	F	C	H	K	P	C	P	G	E	R	K	A	R	D	C	T	V	N	G	h Fas protein
52	P	Q	N	N	S	I	C	C	T	K	C	H	K	G	T	Y	L	Y	N	D	C	P	G	P	h TNFR I Protein
41	K	K	I	G	L	F	C	C	R	G	C	P	A	G	H	Y	L	K	A	P	C	T	E	P	DR3 protein
81	-	-	-	-	-	-	-	-	-	-	C	P	P	G	H	I	S	E	D	-	-	-	-	G	HLVBX88XXprotein
93	D	K	A	H	F	S	S	K	-	-	C	R	R	C	R	L	C	D	E	G	H	G	L	E	h Fas protein
92	S	E	N	H	L	R	-	H	C	L	S	C	S	K	C	R	K	E	M	G	Q	V	E	I	h TNFR I Protein
81	W	E	N	H	N	S	E	C	A	R	C	Q	A	C	D	E	Q	A	S	Q	V	A	L	E	DR3 protein
105	T	H	W	N	D	L	L	F	C	L	R	C	T	R	C	D	-	-	S	G	E	V	E	L	HLVBX88XXprotein
133	F	-	-	-	-	-	-	-	-	-	C	N	S	T	V	-	-	-	C	E	H	C	D	P	h Fas protein
131	Q	Y	R	H	Y	W	S	E	N	L	F	Q	C	-	-	-	-	-	F	N	C	S	L	C	h TNFR I Protein
121	W	F	V	E	C	-	-	-	Q	V	S	Q	C	V	S	S	P	F	Y	C	Q	P	C	L	DR3 protein
143	T	F	R	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	E	D	S	P	E	M	HLVBX88XXprotein

**FIG. 2A**

149	-	-	-	-	-	C	E	H	G	I	I	-	-	K	E	C	-	-	-	-	L	T	S	N	T	K	C	K	E	-	-	-	-	h Fas protein							
161	K	Q	N	T	V	C	T	C	H	A	G	F	F	L	R	E	N	E	C	V	S	C	S	N	C	K	K	S	L	E	C	T	K	L	C	L	P	Q	I	E	h TNFR I Protein
158	R	D	T	D	C	G	T	C	L	P	G	F	Y	E	H	G	D	G	C	V	S	C	P	T	S	T	L	G	-	S	C	P	E	R	C	A	A	V	C	G	DR3 protein
163	G	M	V	K	V	G	D	C	T	P	-	-	-	W	S	D	I	E	C	V	-	-	-	-	-	-	-	-	-	-	H	K	E	S	G	I	I	G	HLV BX88XXprotein		
168	-	-	-	-	E	G	S	R	S	N	L	G	W	-	-	-	-	L	C	L	L	-	L	L	P	I	P	L	I	V	-	-	-	-	-	-	-	W	h Fas protein		
201	N	V	K	G	T	E	D	S	G	T	V	L	L	P	L	V	I	F	F	G	L	C	L	L	S	L	L	F	I	G	L	M	Y	R	Y	Q	R	-	W	h TNFR I Protein	
197	W	R	Q	-	-	-	-	-	-	-	M	F	W	V	Q	V	L	L	A	G	L	V	P	L	L	L	G	A	T	L	T	Y	T	Y	R	H	C	W	DR3 protein		
189	-	-	-	-	V	T	V	A	A	V	V	L	I	V	A	V	F	-	V	C	K	S	L	L	W	K	K	V	L	P	Y	L	K	G	I	C	S	HLV BX88XXprotein			
190	V	K	R	K	E	V	Q	K	T	C	R	K	H	R	K	E	N	Q	G	S	H	E	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	h Fas protein		
240	-	K	S	K	L	Y	S	I	V	C	G	K	S	T	P	E	K	E	G	E	L	E	G	T	T	K	P	L	A	P	N	P	S	F	S	P	T	P	G	h TNFR I Protein	
229	-	P	H	K	P	L	-	V	T	A	D	E	A	G	M	E	A	L	T	P	P	A	T	H	L	S	P	L	D	S	A	H	T	L	L	A	P	P	D	DR3 protein	
221	-	-	-	-	G	G	G	D	P	E	R	V	D	R	S	S	Q	R	P	G	A	E	D	N	V	L	N	E	I	V	S	I	L	Q	P	T	Q	HLV BX88XXprotein			
213	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	h Fas protein			
279	F	T	P	T	L	G	F	S	P	V	P	S	S	T	F	T	S	S	S	T	Y	T	P	G	D	-	C	P	N	F	A	P	R	R	E	V	A	P	P	h TNFR I Protein	
267	S	S	E	K	I	C	T	V	Q	L	V	G	N	S	W	T	P	G	Y	P	E	T	Q	E	A	L	C	P	Q	V	T	W	S	W	D	Q	L	-	-	P	DR3 protein
255	V	P	E	Q	E	M	E	V	Q	E	P	A	E	-	-	-	-	-	P	T	G	V	N	M	L	S	P	G	-	-	E	S	E	H	L	-	-	-	HLV BX88XXprotein		
213	-	-	-	-	-	-	-	-	-	P	T	L	N	P	E	T	V	A	I	N	L	-	-	S	D	V	D	L	S	K	Y	I	T	I	A	G	V	M	h Fas protein		
318	Y	Q	G	A	D	P	I	L	A	T	A	L	A	S	D	P	I	P	N	P	L	Q	K	W	E	D	S	A	H	K	P	Q	S	L	D	T	D	P	A	h TNFR I Protein	
305	S	R	A	L	G	P	A	A	P	T	L	S	P	-	-	-	-	-	-	E	S	P	A	G	S	P	A	M	L	Q	P	G	P	Q	-	-	-	-	DR3 protein		

**FIG. 2B**



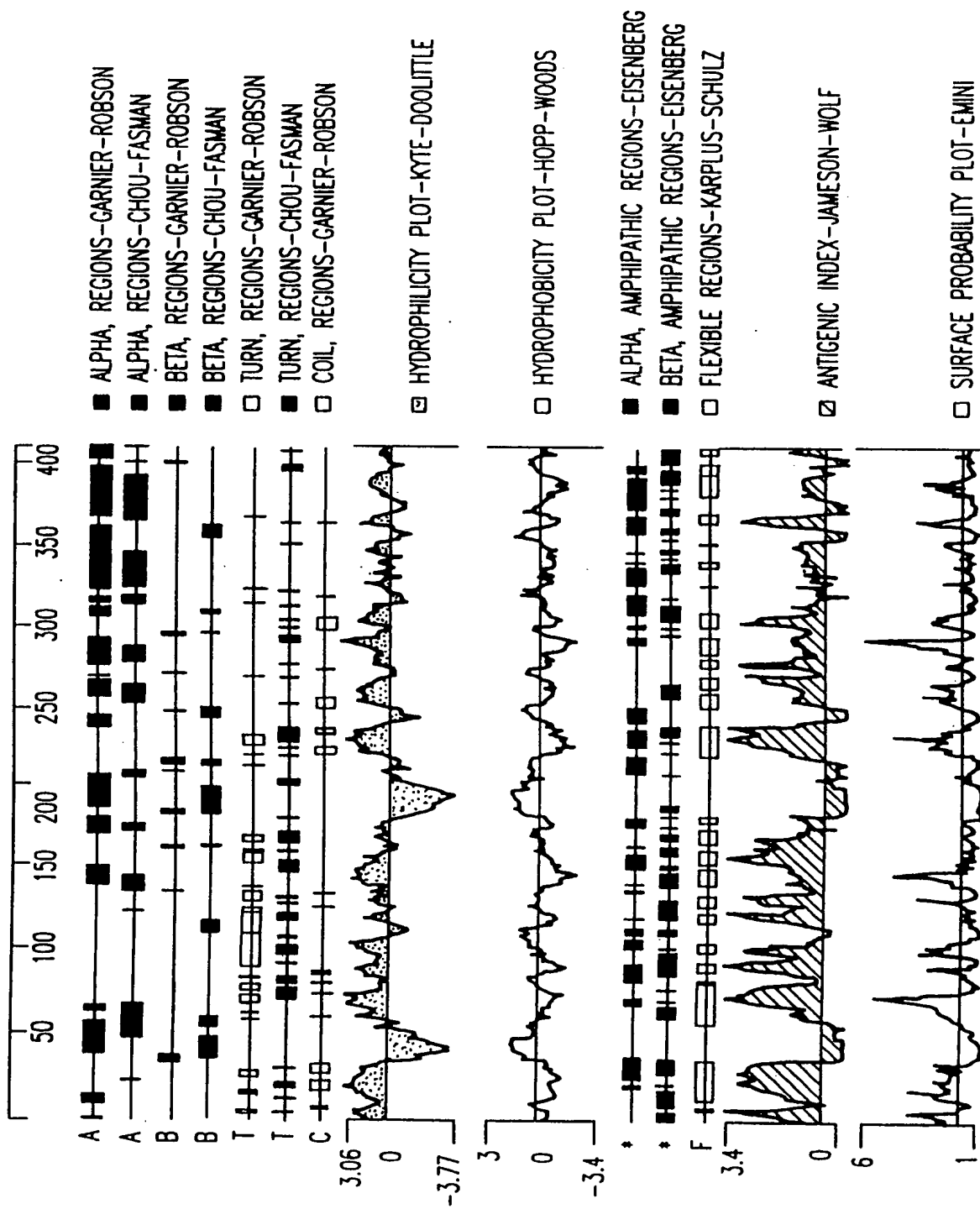


FIG.3

# HAPBU13R

```

  1 AATTCGGCAC AGCTCTTCAG GAAGTCAGAC CTTCCCTGGT TTACCTTTTT
 51 TCTGGAAAAA GCCCAACTGG GACTCCAGTC AGTAGGAAAG TGCCACAATT
101 GTCACATGAC CGGTACTGGA AGAAACTCTC CCATCCAACA TCACCCAGTG
151 GNATGGGAAC ACTGATGAAC TTTTCACTGC ACTTGGCATT ATTTTTGTNA
201 AGCTGAATGT GATAATAAGG GCACTGATGG AAATGTCTGG ATCATTCCGG
251 TTGTGCGTAC TTTGAGATTT GNGTTTGGGG ATGTNCATTG TGTTTGACAG
301 CACTTTTTTN ATCCCTAATG TNAAATGCNT NATTTGATTG TGANTTGGGG
351 GTNAACATTG GTNAAGGNTN CCCNTNTGAC ACAGTAGNTG GTNCCCGACT
401 TANAATNGNN GAANANGATG NATNANGAAC CTTTTTTTGG GTGGGGGGGT
451 NNCGGGGCAG TNNAANGNNG NCTCCCCAGG TTTGGNGTNG CAATNGNGGA
501 ANNNTGG

```

# HSBBU76R

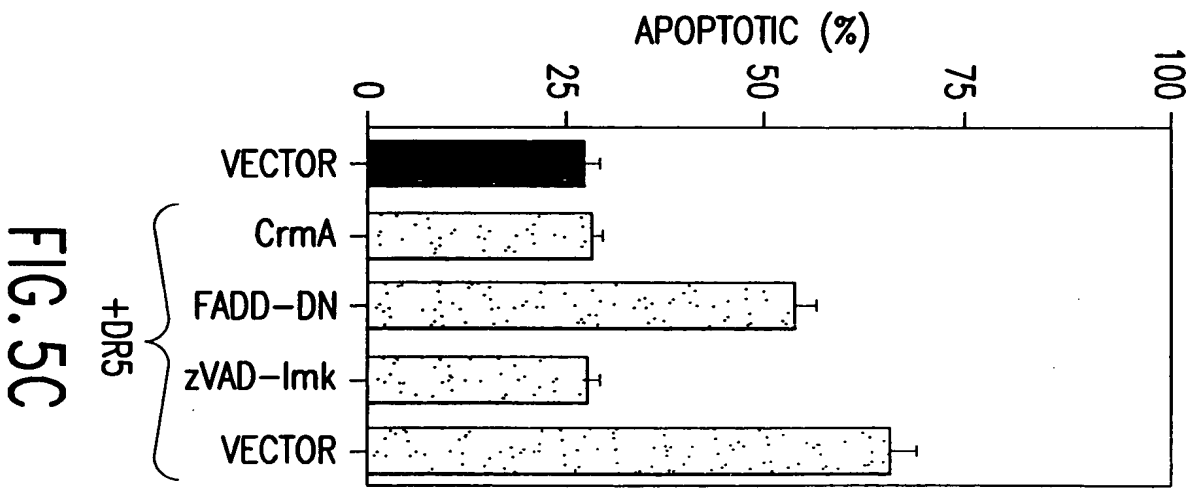
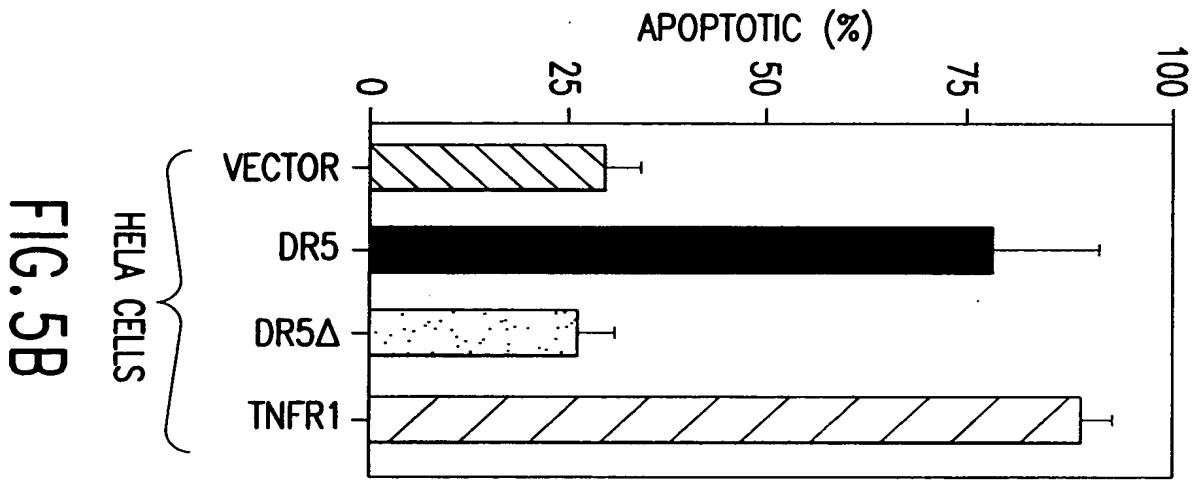
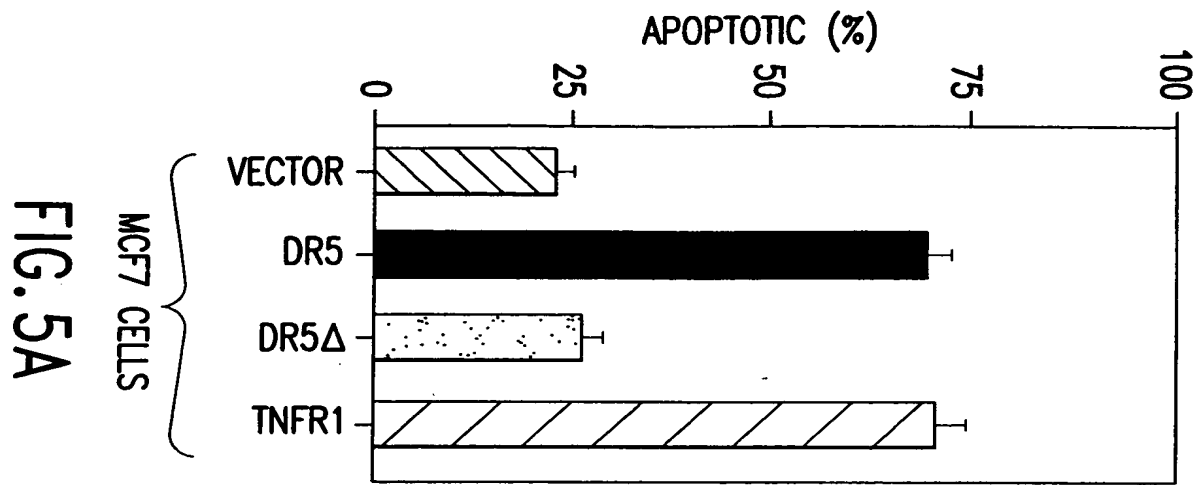
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  1 TTTTTTTTGT AGATGGATCT TACAATGTAG CCCAAATAAA TAAATAAAGC
 51 ATTTACATTA GGATAAAAAA GTGCTGTGAA AACAAATGACA TCCCAAACCA
101 AATCTCAAAG TACGCACAAA CGGAATGATC CAGACATTTC CATAGNGTCC
151 TTATTATCAC ATTCAGCTTA TAAAANTAAT GCCAAGTGCA GTGAAAAGTT
201 ACAGGATGTT CCATCCACTG GGTGGATT

```

FIG.4





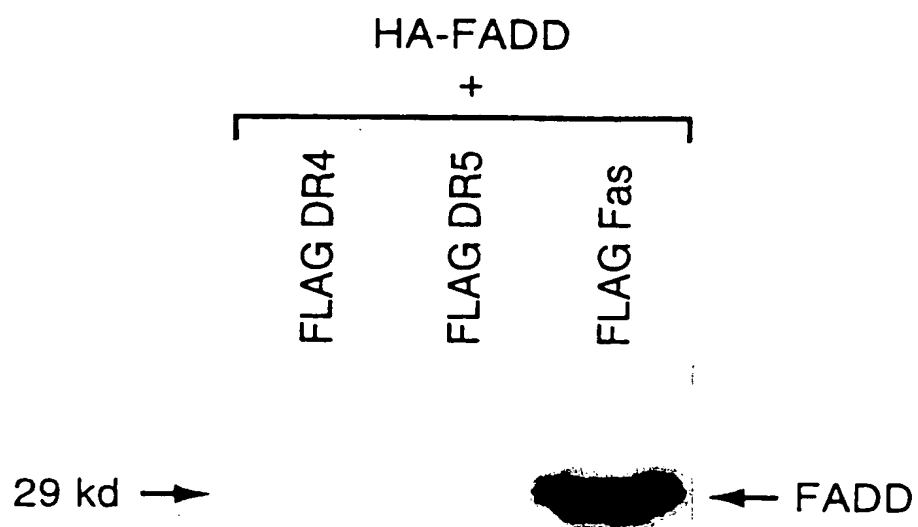
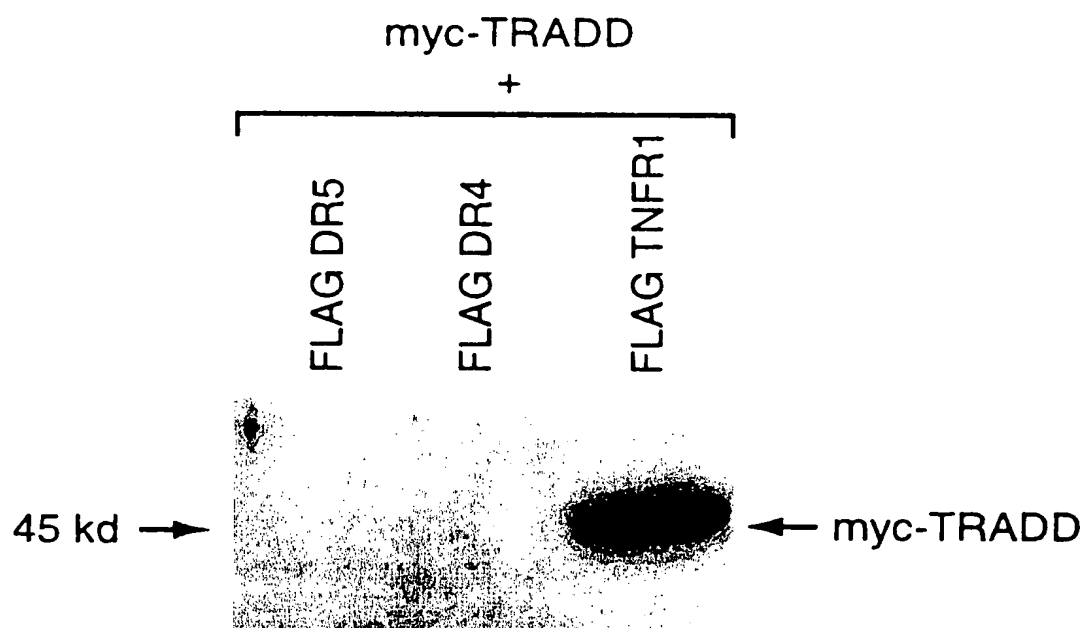


FIG.5D



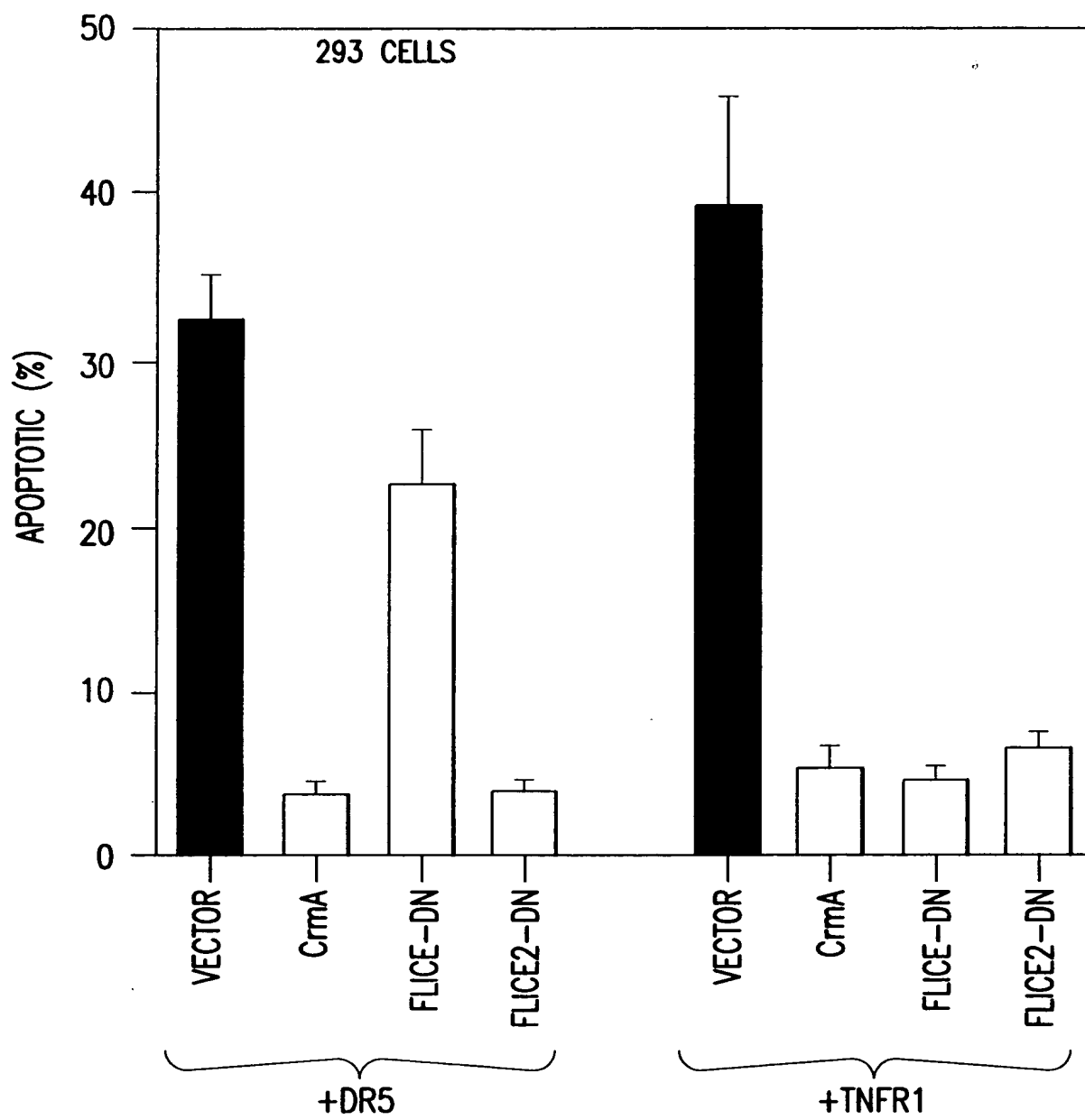


FIG. 5E

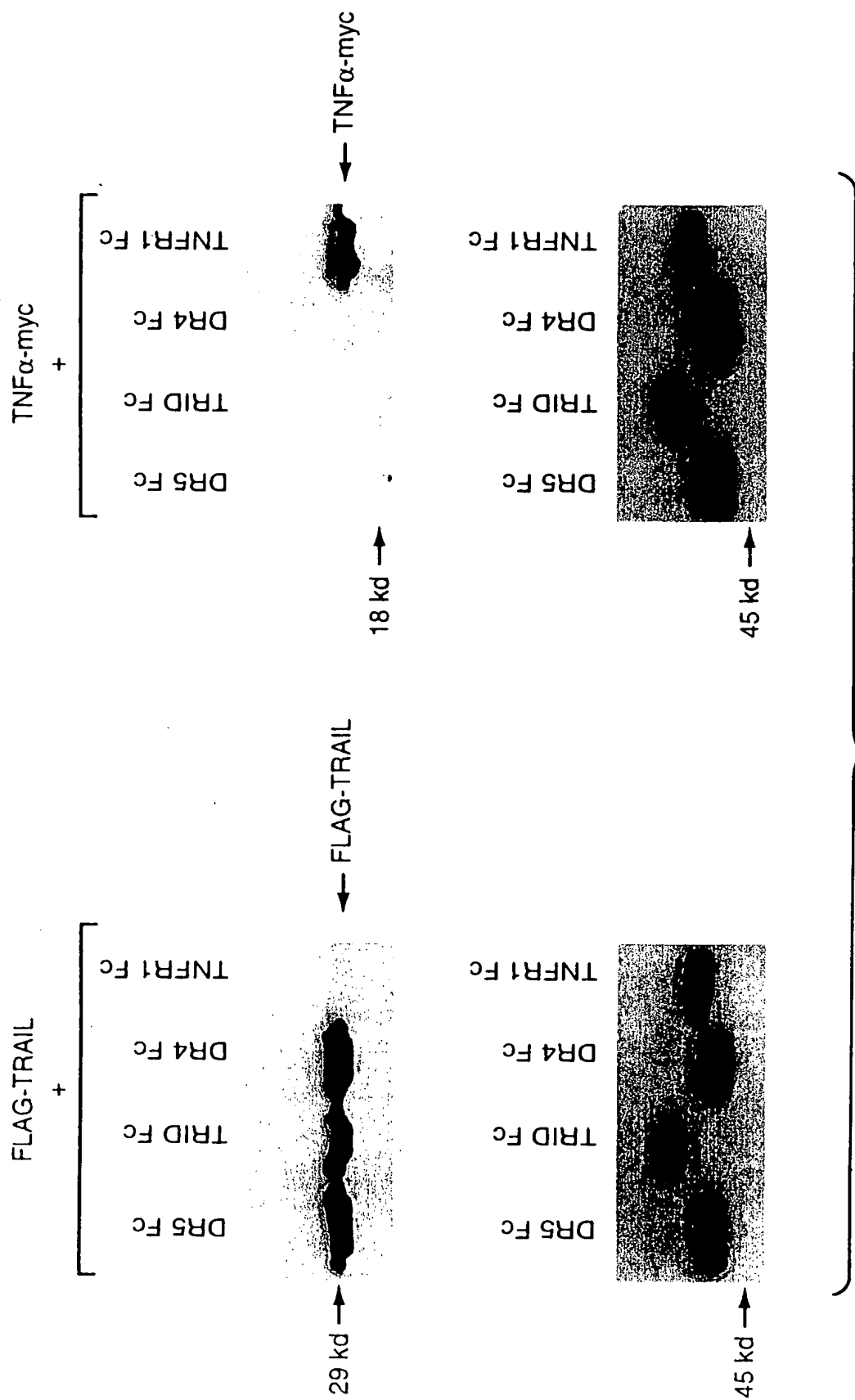


FIG.6A

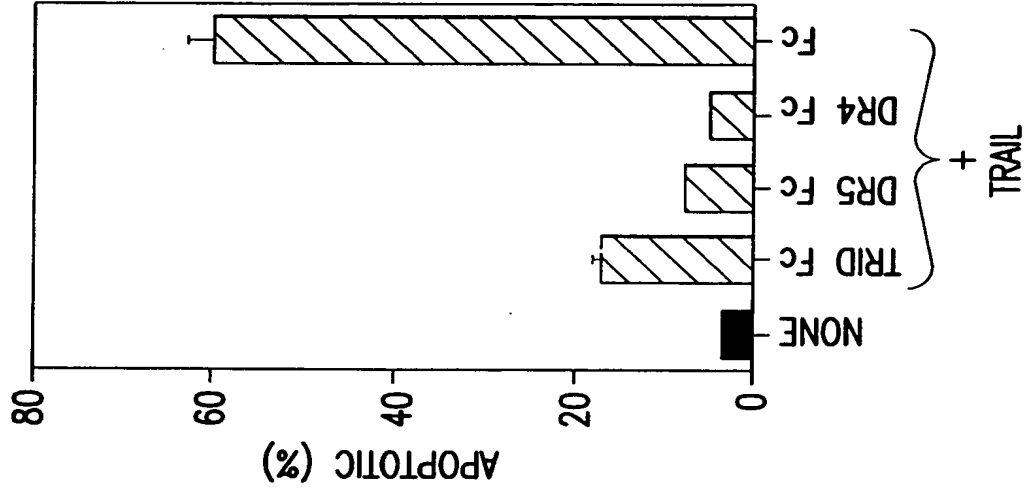


FIG. 6B

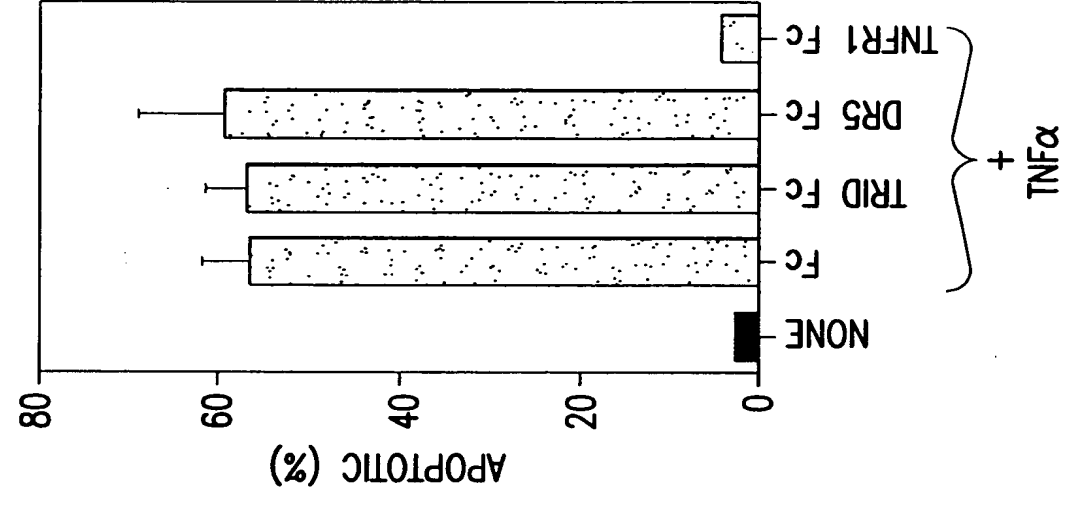


FIG. 6C